

# DUOX1 rabbit pAb

Cat No.:ES16881

For research use only

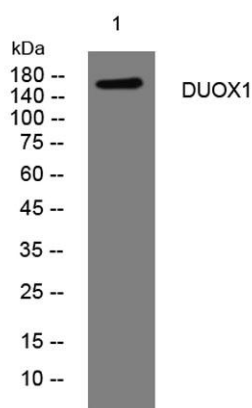
## Overview

Product Name	DUOX1 rabbit pAb
Host species	Rabbit
Applications	WB
Species Cross-Reactivity	Human;Rat
Recommended dilutions	WB 1: 500-2000
Immunogen	Synthesized peptide derived from human DUOX1 AA range: 1398-1448
Specificity	This antibody detects endogenous levels of DUOX1 at Human/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	DUOX1
Gene Name	DUOX1 DUOX LNOX1 THOX1
Cellular localization	Apical cell membrane ; Multi-pass membrane protein . Localizes to the apical membrane of epithelial cells.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	53905
Human Swiss-Prot Number	Q9NRD9
Alternative Names	
Background	The protein encoded by this gene is a glycoprotein and a member of the NADPH oxidase family. The synthesis of thyroid hormone is catalyzed by a protein complex located at the apical membrane of thyroid follicular cells. This complex contains an iodide transporter, thyroperoxidase, and a peroxide generating system that includes proteins encoded





by this gene and the similar DUOX2 gene. This protein is known as dual oxidase because it has both a peroxidase homology domain and a gp91phox domain. This protein generates hydrogen peroxide and thereby plays a role in the activity of thyroid peroxidase, lactoperoxidase, and in lactoperoxidase-mediated antimicrobial defense at mucosal surfaces. Two alternatively spliced transcript variants encoding the same protein have been described for this gene. [provided by RefSeq, Jul 2012],



Western blot analysis of lysates from MCF-7 cells, primary antibody was diluted at 1:1000, 4° over night

